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**CENTRAL FAX CENTER****MAY 19 2005****FAX TRANSMISSION****DATE:** May 19, 2005**PTO IDENTIFIER:** Application Number 10/643,164  
Patent Number**Inventor:** Jonathan E. Greene**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (703) 872-9306**FROM:** NUTTER MCCLENNEN & FISH LLP  
Reza Mollaaghababa, Ph.D.**PHONE:** (617) 439-2000**Attorney Dkt. #:** 102323-0130**PAGES (Including Cover Sheet):** 46**CONTENTS:** Fee Transmittal (1 page)  
Request for Extension of Time Under 37 CFR 1.136(a) (1 page)  
Second Supplemental Amendment After Final Action (4 pages)  
Declaration of Jonathan E. Greene and Exhibit (38 pages)  
Certificate of Transmission (1 page)

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PTO/SB/97 (09-04)

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Application No. (if known): 10/643,164

Attorney Docket No.: 102323-0130

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CENTRAL FAX CENTER**

**MAY 19 2005**

Docket No.: 102323-0130  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Jonathan E. Greene

Application No.: 10/643,164

Filed: August 18, 2003

For: METHODS AND APPARATUS FOR FAST  
FOURIER TRANSFORMS

Art Unit: 2124

Examiner: C. C. Do

**AFTER FINAL - EXPEDITED  
PROSECUTION REQUESTED**

**SECOND SUPPLEMENTAL AMENDMENT  
AFTER FINAL ACTION**

MS AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the Examiner Interview conducted May 17, 2005, please amend the above-identified U.S. patent application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.